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The Peruvian sub-group comprises the Kéchuas and Aymaras, Puquinas, Yuncas, Atacameños, and Changos. The exact affiliation of these languages has not yet been made out. Dr. Brinton thinks that ultimately the Aymara will be shown to be either a dialect of Kechua, or a jargon made up of Kechua and other stocks.

The South Atlantic group is a very extensive one, including the innumerable tribes of the Amazonian and Pampean regions, who are spread over the territory from the Orinoco to Tierra del Fuego. The principal subdivisions of the Amazonian sub-group are the Tupis (with some forty dialects); the Tapuyas (with nearly as many); the Arawaks (more diverse even than the Tupis); the Caribs (with numerous dialects); the Corvados, Carajas, etc.; the Carib and Arawak tribes of the Orinoco basin; the numerous tribes of the basin of the Upper Amazon (Zaparos, Jivaros, etc.); and the Chiquitos, Mosatenas, Cayubabas, and other tribes of the Bolivian Highlands. The author attaches the Paiconoca and Saraveca to the Arawak stock, and thinks that Carajas have Tapuya affinities, while the Yahuas and Pebas appear to be somewhat related.

In the subdivision of the Pampean region Dr. Brinton has arranged the Guaycurus, Lules, Payaguas, and other peoples of the Grand Chaco; the Pampeans, Araucanians, and Chonos; the Patagonians and Fuegians. The modern Vilela the author is inclined to consider the present representative of the Lules of whom

Father Machoni wrote in 1732. The affinities of the coast tribes of Patagonia are uncertain. The relations of the Patagonians (Chonek) still remain to be settled. Among the Fuegians there appear to be at least three distinct linguistic stocks, — the Alikuluf, the Ona, and the Yahgan.

Taken on the whole, the present volume is beyond doubt the best introduction to American ethnology that we possess, and the reader will learn from it how much American linguistic and ethnographic science has advanced of recent years.

#### AMONG THE PUBLISHERS.

THE editor of the "Letters of Dorothy Osborne," Mr. Edward Abbott Parry, has written a life of Charles Macklin for Mr. William Archer's series of Eminent Actors, and Longmans, Green, & Co. published it here last week.

—"Miracles and Medicine" is the subject which Dr. Andrew D. White will take up next in his Warfare of Science Papers in *The Popular Science Monthly*. The May number will contain the first part of this chapter, telling how tales of miraculous cures arose and grew in the middle ages, and how the early progress of medical science was hampered by the jealousy of relic-peddlers and theological oracles. The Duke of Argyll's essay, "Professor Huxley on the War-Path," will be concluded in the same number. The duke appeals to geology for evidence of an inundation such

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as is described in the story of Noah's Flood, and to archæology for support of the general truth of Bible history. The process of making artificial ice, and the arrangement of cold storage warehouses, will be described in an illustrated article on "Ice-Making and Machine Refrigeration," by Frederik A. Fernald. This industry, which has grown to importance within the last few years, is an interesting example of the application of science in supplying the wants of daily life. Some games of the Zuni will be described by John G. Owens, with illustrations. The Zunis are a playful race, and have a large number of sports, some of which are exciting. A possible solution of the problem of moral education is suggested in a paper entitled "An Experiment in Moral Training," which will be contributed by Dr. Mary V. Lee. The article describes a conversation between a teacher and his pupils in regard to removing two unruly members from the class, which tends to show that children may be led to govern themselves if rightly guided. Among the shorter articles will be one on the "Evolu-

tion of Patent Medicine," by Lee J. Vance, in which human weakness for mysterious cures is traced from the days of saintly relics down to the much-advertising "medicine-men" of our own time.

—The May *Cosmopolitan* will contain an article on the Silver Camp of Colorado, Leadville, by Theodore Van Wagenen. The article accurately describes the camp and its environs, and is accompanied by a series of photographs of miners at work, taken chiefly in the "Iron Silver" Mine.

—Francis W. Cragin, S.B., professor of geology and zoölogy in Washburn College, Topeka, Kan., announces for publication in a few months "A Geology and Physical Geography of Kansas,"—an illustrated handbook of Kansas, educational in its relation to pure science, practical in its relation to the development of the natural resources of the State,—for the use of students, teachers, travellers, farmers, investors, and general readers.

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